

Claims

1 A method for updating existing code in a computer program after inputting
2 new code which defines changes to said existing code comprising the steps of:
3 generating a target file list which includes target files;
4 generating an associated file list including associated files which correspond with
5 said target files; and
6 executing an algorithm where said algorithm locates said target files by employing
7 a search process, said algorithm updates said target files and updates said
8 associated files by selectively compiling said target files.

1 2. The method of claim 1 further including source code and object code, said
2 target files being source code and said associated files being object code, said source
3 code being selectively compiled to update and provide said associated object code.

1 3. The method of claim 1 further comprising the step of:
2 updating said associated file list with new said associated files, said new associated
3 files being defined by said new code.

1 4. The method of claim 1 wherein said search technique including pattern type
2 variables which use generic rules to specify said associated object code for updating.

1 5. A method for generating changes and updating existing files and code in a
2 computer program, comprising the steps of:
3 reading existing source code and existing object code in said computer program;
4 reading a plurality of associated files where said associated files are associated
5 with said source code;
6 executing a utility program which updates target said source code and said object
7 code associated with said target source code, said utility program including

8 scripting language specifying particular characters to search for in said target
9 code and said associated code;
10 generating a target code list for said source code and said associated object code
11 by using said utility program; and
12 updating said target code and said associated code by employing a search
13 technique defined in said utility program, said search technique includes
14 specified patterns such that said specified patterns identify said existing
15 associated code being updated.

1 6. The method of claim 5 wherein said specified patterns of said search technique
2 includes pattern type variables which use generic rules to specify said associated
3 object code for updating.

1 7. The method of claim 5 wherein said search technique includes matching
2 specified characters in said target code and said associated code such that said
3 specified characters identify said existing associated code being updated.

1 8. A method for generating changes and updating existing source code and
2 existing object code in a computer program which includes a plurality of dependent
3 files which are prerequisites of said source files, comprising the steps of:

4 inputting a utility program which updates target said source code, said object code
5 being associated with said target source code, and said utility program
6 including a scripting language specifying particular characters to search for in
7 said target code and said associated object code;
8 generating a target code list for changing said associated object code using said
9 utility program;
10 executing a search technique including pattern type variables which use generic
11 rules to specify said associated object code for changing; and
12 updating said associated object code.

1 9. The method of claim 8 wherein said utility program defines new source code
2 to be added to said existing source code.

1 10. The method of claim 8 wherein the utility program prioritizes said target code
2 to update while employing said search technique.

1 11. The method of claim 8 wherein said utility program includes a process
2 procedure for an operator to call, said process procedure recursively invokes said
3 utility program and arguments.

1 12. The method of claim 8 wherein said utility program is in a UNIX®
2 environment.

1 13. The method of claim 8 wherein said utility program provides that said existing
2 code with a specific character are not considered to be a file, and thereby are
3 bypassed for any changes by the utility program.

1 14. A computer program product for updating existing code in a computer
2 program after inputting new code which defines changes to said existing code, said
3 computer program product having:

4 computer readable program code means for generating a target file list which
5 includes target files;

6 computer readable program code means for generating an associated file list
7 including associated files which correspond with said target files; and

8 computer readable program code means for executing an algorithm where said
9 algorithm locates said target files by employing a search process, said
10 algorithm updates said target files and updates said associated files by
11 selectively compiling said target files.

1 15. A program storage device readable by a machine, tangibly embodying a
2 program of instructions executable by the machine to perform method steps for
3 updating existing code in a computer program after inputting new code which defines
4 changes to said existing code, said method steps comprising:
5 generating a target file list which includes target files;
6 generating an associated file list including associated files which correspond with
7 said target files; and
8 executing an algorithm where said algorithm locates said target files by employing
9 a search process, said algorithm updates said target files and updates said
10 associated files by selectively compiling said target files.

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